

Colby Hill

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Education

University of South Carolina, Columbia, SC

May 2020

Bachelor of Science in Computer Science

GPA: 3.96 / 4.00 (Major: 4.00 / 4.00)

Leadership Distinction, Information Assurance Certification, Phi Beta Kappa, Tau Beta Pi

Experience

Krumware

August 2019 - Current

Software Development Intern

Columbia, SC

- Led the migration to Rancher which enabled Multi-Cloud Computing and improved application availability
- Automated Kubernetes deployments and resource management workflow
- Developing microservices for feature-rich progressive web applications
- Utilizing Swagger UI to generate visual and interactive API documentation
- Technologies: Node, Express, MongoDB Docker, Rancher, Kubernetes, Jenkins, AWS, Swagger UI,

Boeing

May 2019 - August 2019

Software Engineering Intern

Seattle, WA

- Architected and deployed two serverless identity management applications into production
- Leveraged continuous integration and deployment pipelines to maximize development efficiency
- Implemented solutions to assist the collection, modification, and publication of identity data
- Designed and developed a homepage for the Identity & Directory Services team
- Technologies: Spring Boot, Angular, HTML, CSS, Gradle, Pivotal Cloud Foundry, GitLab CI/CD

USC Computational Biology Lab

November 2017 - May 2019

Assistant Researcher

Columbia, SC

- Increased smartwatch battery lifespan by 300% by implementing batch processing and optimizing communication
- Developed an Android Wear smartwatch application to detect and record smoking gestures
- Presented at Discover USC, Arnold School of Public Health, and lab meetings
- Technologies: Java, Android, Python, Gradle, Matlab

USC College of Engineering and Computing

August 2018 - May 2019

Teaching Assistant

Columbia, SC

- Led biweekly Algorithmic Design labs for 30 undergraduate students
- Educated students about problem-solving, algorithmic design, data structures, and Java programming

Projects

Outdoorist

- Independently developed and launched, Outdoorist, an iPhone/iPad app to track outdoor adventures, learn about new destinations, and plan trips

UofSC AR Tour

- Engineered an iOS app that enables Augmented Reality historical tours of the University of South Carolina

Honors and Awards

USC Achievement Scholarship, South Carolina Life Scholarship, USC Integration Bee: 1st place